

**IN THE CLAIMS:**

1. (Currently Amended): A method for detecting incorrect cartridge orientation in an automated media library, comprising:

reading label information from a cartridge label on a cartridge; and

determining whether the cartridge is correctly oriented based on the label information, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.

2. (Canceled)

3. (Original): The method of claim 1, further comprising:

adding the cartridge to an orientation unknown list if the cartridge is not correctly oriented based on the label information.

4. (Original): The method of claim 3, further comprising:

performing a retrieval operation on each cartridge in the orientation unknown list; and

determining whether each cartridge is correctly oriented based on success of the retrieval operation.

5. (Currently Amended): ~~The A method of claim 1~~ A method of claim 1 for detecting incorrect cartridge orientation in an automated media library, further comprising:

reading label information from a cartridge label on a cartridge;

determining whether the cartridge is correctly oriented based on the label information;

performing a retrieval operation on the cartridge if responsive to the cartridge is not being correctly oriented based on the label information; and

marking the cartridge as incorrectly oriented if the retrieval operation is not successful.

6-8. (Canceled)

9. (Currently Amended): An apparatus for detecting incorrect cartridge orientation for a cartridge in an automated media library, comprising:

an imaging interface that gathers cartridge label information about a cartridge;  
a label reader that determines whether the cartridge label is ~~unreadable or the cartridge is unlabeled~~ correctly oriented based on the cartridge label information; and  
an operation component that performs a retrieval operation on the cartridge if responsive to the cartridge label is unreadable or the cartridge is unlabeled not being correctly oriented based on the cartridge label information and marks the cartridge as incorrectly oriented if the retrieval operation is not successful.

10. (Canceled)

11. (Canceled)

12. (Currently Amended): An apparatus for detecting incorrect cartridge orientation in an automated media library, comprising:

reading means for reading label information from a cartridge label on a cartridge;  
and

determination means for determining whether the cartridge is correctly oriented based on the label information, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.

13. (Canceled)

14. (Original): The apparatus of claim 12, further comprising:

means for adding the cartridge to an orientation unknown list if the cartridge is not correctly oriented based on the label information.

15. (Original): The apparatus of claim 14, further comprising:

means for performing a retrieval operation on each cartridge in the orientation unknown list; and

means for determining whether each cartridge is correctly oriented based on success of the retrieval operation.

16. (Currently Amended): ~~The An~~ apparatus of claim 12 for detecting incorrect cartridge orientation in an automated media library, further comprising:

reading means for reading label information from a cartridge label on a cartridge;

determination means for determining whether the cartridge is correctly oriented based on the label information;

means for performing a retrieval operation on the cartridge if responsive to the cartridge is not being correctly oriented based on the label information; and

means for marking the cartridge as incorrectly oriented if the retrieval operation is not successful.

17-19. (Canceled)

*Currently amended*

20. (Original): A computer program product, in a computer readable medium, for detecting incorrect cartridge orientation in an automated media library, comprising:

instructions for reading label information from a cartridge label on a cartridge; and

instructions for determining whether the cartridge is correctly oriented based on the label information, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.

21. (Currently Amended): A computer program product, in a computer readable medium, for detecting incorrect cartridge orientation in an automated media library, comprising:

instructions for reading label information from a cartridge label on a cartridge;

instructions for determining whether the cartridge label is ~~unreadable or the cartridge is unlabeled~~ correctly oriented based on the label information;

instructions for performing a retrieval operation on the cartridge ~~if responsive to the cartridge label is unreadable or the cartridge is unlabeled~~ not being correctly oriented based on the label information; and

instructions for marking the cartridge as incorrectly oriented if the retrieval operation is not successful.

22. (New): The method of claim 5, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.

23. (New): The apparatus of claim 9, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.

24. (New): The apparatus of claim 16, wherein the label information comprises at least one of a location of a barcode and orientation of characters on the label.